AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-119

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

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ANS-119 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 119.01
  From AMSAT HQ KENSINGTON, MD.
DATE April 29, 2018
To All RADIO AMATEURS
BID: $ANS-119.01

AMSAT at the Hamvention -- 2nd Call for volunteers

The Hamvention is three weeks away!

It is time to be creating your shopping list and making your travel plans.

Last year, we had 30 people assist with the AMSAT booth at the Hamvention. We've had a good response so far to our first call for volunteers, but we could really use another 10-15 people.

The 2018 Hamvention is May 18-20 in Xenia, Ohio. Would you consider helping AMSAT at the Hamvention this year?

The interaction with AMSAT members, satellite operators, designers, and builders makes the whole experience a lot of fun. Meet or renew acquaintances, exchange operating tips, and find out what antennas, software and equipment other AMSAT members use. We currently expect all of the AMSAT senior officers and board members to be there too.

If you're an experienced operator, great! We can use you and your experience.

If you've never operated a satellite before, but want to learn more, that's OK. We can use your help too.

Whether you're available for only a couple of hours or if you can spend the entire weekend with us, your help would be greatly appreciated.

Please send an e-mail to Phil, w1eme(a)amsat.org if you can help. Thank you!

[ANS thanks AMSAT's Hamvention 2018 Team for the above information]

Digital Communications Conference (DCC) Call for Papers

Technical papers are solicited for presentation at the ARRL and TAPR Digital Communications Conference (DCC) and publication in the Conference Proceedings. Annual conference proceedings are published by the ARRL. Presentation at the conference is not required for publication. Submission of papers are due by July 31st, 2018 and should be submitted to

Maty Weinberg, ARRL
225 Main Street
Newington, CT 06111
or via the Internet to
maty(a)arrl.org

The ARRL and TAPR DCC is an international forum for radio amateurs to meet, publish their work, and present new ideas and techniques. This year, the DCC is in Albuquerque, New Mexico, September 14-16. Presenters and attendees will have the opportunity to exchange ideas and learn about recent hardware and software advances, theories, experimental results, and practical applications. Topics include, but are not limited to:

• Software Defined Radio (SDR)
• Digital voice (D-Star, P25, WinDRM, FDMDV, DRMDV, G4GUO)
• Digital satellite communications
• Global position system
• Precise Timing
• Automatic Packet Reporting System (APRS)
• Short messaging (a mode of APRS)
• Digital Signal Processing (DSP)
• HF digital modes
• Internet interoperability with Amateur Radio networks
• Spread spectrum
• IEEE 802.11 and other Part 15 license-exempt systems adaptable for Amateur Radio
• Using TCP/IP networking over Amateur Radio
• Mesh and peer to peer wireless networking
• Emergency and Homeland Defense backup digital communications in Amateur Radio
• Updates on AX.25 and other wireless networking protocols
• Topics that advanced the Amateur Radio art

Go to https://tinyurl.com/y7wgm6vh to view the guidelines for paper submissions

[ANS thanks the TAPR PSR for the above information]

King’s High School ARISS contact on BBC TV

On April 19 student Eleanor Griffin led the live question and answer session between King’s High School and Warwick Preparatory School (GB4KHS) and astronaut
Ricky Arnold KE5DAU on the International Space Station (NA1SS).

King’s High School strongly encourage their girls to develop their interests both inside and outside the classroom. This culture of empowerment led one of
their girls, Eleanor Griffin, to apply to ARISS Europe (Amateur Radio on the International Space Station) for a highly prestigious link-up to the International Space Station.

When Eleanor Griffin was selected to hold a space conversation with an astronaut, she was inspired to set up the Warwick Mars Project, for students across the Warwick Independent Schools Foundation, to further interest in Space
Science. Eleanor says: “The moon landings belong to the generation of our grandparents, and the International Space Station to our parents. What will happen in our generation? Will Mankind travel to another planet?”

After the ISS contact when asked what this incredible experience had taught her
Eleanor replied “Just do it! No one is going to stop you, if you just go and pursue your dreams, you really can do anything.”

Watch the BBC TV news item broadcast on Midlands Today @bbcmtd. Fast forward to
18:45 into the recording at
https://www.bbc.co.uk/iplayer/episode/b09z9tw6/midlands-today-evening-news-19042018

In this video the students present their work and activities that lead up the
contact, followed at 12:11 by a presentation by ARISS Operations UK team lead
Ciaran Morgan M0XTD with the ISS contact commencing at 31:32 into the video
https://www.youtube.com/watch?v=HpVc1ikj4pE

Amateur Radio on the International Space Station (ARISS)
http://www.ariss.org/apply-to-host-an-ariss-contact.html
https://twitter.com/ARISS_status

King’s High School Warwick https://twitter.com/KHSWarwick

[ANS thanks AMSAT-UK for the above information]

AMSAT-UK Call for Speakers for Colloquium 2018

This is a call for speakers for the AMSAT-UK International Space Colloquium 2018
which, will be held this year on 13-14 October, in conjunction with the RSGB Convention at Kents Hill Park Conference Centre, Milton Keynes, MK7 6BZ, United
Kingdom .

AMSAT-UK invites speakers, to cover topics about Amateur satellites, CubeSats,

Nanosats, space and associated activities, for this event.

They are also invited to submit papers for subsequent publishing on the AMSAT-UK
web site or in Oscar News.

We appreciate that it is not always possible to give a firm indication of attendance at this stage but expressions of interest would be appreciated.

Submissions should be sent via e-mail to: dave(a)g4dpz.me.uk

AMSAT-UK also invite anyone with requests for Program Topics to submit them as
soon as possible to G4DPZ. Invitations for any papers on specific subjects will
be included in the future call. Likewise if anyone knows of a good speaker, please send contact and other information to G4DPZ.

[ANS thanks Dave, G4DPZ, for the above information]

Upcoming ARISS Contact Schedule as of 2018-04-27

Mill Springs Academy, Alpharetta, GA, direct via WA4MSA
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Scott Tingle KG5NZA
Contact is a go for: Thu 2018-05-03 15:47:30 UTC 25 deg

Students for the Exploration & Development of Space, College Station, TX, direct
via W5QZ
The ISS callsign is presently scheduled to be NA1SS
The scheduled astronaut is Scott Tingle KG5NZA
Contact is a go for: Thu 2018-05-03 17:22:31 UTC 47 deg

[ANS thanks Charlie, AJ9N, for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive addi-tional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the stu-dent rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
Lee McLamb, KT4TZ
kt4tz at amsat dot org